

Date: September 26, 2003

Attorney Docket No. SHA-129

Honorable Commissioner of Patents and Trademarks
Box: Patent Application
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the patent application of:

Inventor: Larry J. Castleman

For: CARTRIDGE SEAL ASSEMBLY

Enclosed are:

- [X] Eleven (11) Sheets of Drawings.
- [] An assignment of the invention to:
- [] A certified copy of a _____ application.
- [] Applicant claims small entity status. See 37 CFR 1.27. Fees indicated below are reduced by 1/2.
- [X] Other Unexecuted Declaration, Information Disclosure Statement, PTO-1449.

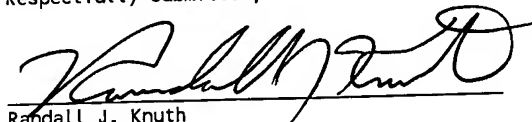
The filing fee has been calculated as follows:

		Column 1	Column 2		
FOR	FILED	EXTRA	RATE	FEE	
BASIC FEE					\$750.00
TOTAL CLAIMS	49 - 20 =	29	29 x \$ 18.00 = \$522.00		\$522.00
INDEPENDENT CLAIMS	07 - 03 =	4	4 x \$ 84.00 = \$336.00		\$336.00
MULTIPLE DEPENDENT CLAIMS:			+ \$280.00 =		\$0.00
*NOTE: If the difference in Column 1 is less than zero, enter 0" in Column 2.			TOTAL OF ABOVE CALCULATIONS		\$1,608.00
Reduction of 1/2 for filing by small entity, if applicable. Applicant claims small entity status. See 37 CFR 1.27.					\$0.00
TOTAL					\$1,608.00
Assignment Recording Fee (\$40)					\$0.00
Non-English Specification Fee (\$130)					\$0.00
Total Enclosed					\$1,608.00

[X] A check in the amount of \$1,608.00 to cover the filing fee is enclosed. (Check No. 7347.)

[X] The Commissioner is hereby authorized to charge any additional fees which may be required and credit any overpayments to: RANDALL J. KNUTH, P.C. - Account Number 501157

Respectfully submitted,


Randall J. Knuth
Registration No. 34,644

RJK/mdc

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03945 U.S. PTO
10/673764
09/26/03

"EXPRESS MAIL" COVER LETTER

Date: September 26, 2003

Commissioner of Patents and Trademarks
Box: Patent Application
Alexandria, VA 22313-1450

Re: Application for United States Letters Patent
APPLICANT: Larry J. Castleman
TITLE OF INVENTION: CARTRIDGE SEAL ASSEMBLY

Sir:

Forwarded herewith is the above-identified application, consisting of the following:

Fee Transmittal Letter
Specification (48 Sheets)
Claims (11 Sheets)
Abstract
Drawings (11 Sheets)
Unexecuted Declaration
Information Disclosure Statement
PTO-1449
Cited Art References

Respectfully submitted,



Randall J. Knuth
Registration No. 34,644

RJK/mdc

Enclosures: As stated above.

Check No. 7347 (\$1,608.00)

Return Postcard

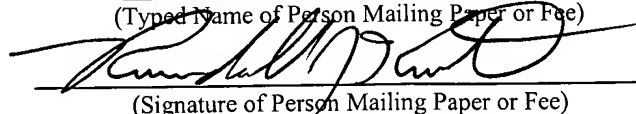
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"EXPRESS MAIL" Mailing Number EL161757953US
Date of Deposit September 26, 2003.

I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Alexandria, VA 22313-1450

Randall J. Knuth, Registration No. 34,644

(Typed Name of Person Mailing Paper or Fee)



(Signature of Person Mailing Paper or Fee)